

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN: Four Mile Creek Fecal coliform BASIN: Chattahoochee
 (STREAM) (PARAMETER) PLAN DATE: 3-5-01

Prepared by: Tom O'Bryant _____		Or Prepared By: _____			
_Georgia Mountains_____ Regional Development Center Address: _P. O. Box 1720_____ City: _Gainesville_____ State: _GA_____ Zip: _30503_____ e-mail: _tobryant@gmrhc.org_____ Date Submitted to EPD: <u>3-26-01</u>		Address: _____ City: _____ State: _____ Zip: _____ e-mail: _____ Date Submitted to EPD: _____			
General Information		Significant Stakeholders			
Obtain this information from the TMDL document or other information. When completed, this document will be a self-contained report independent of the TMDL document.		Identify local governments, agricultural organizations or significant land holders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups with a major interest in this water body.			
TMDL ID (to be entered by EPD)	CHT0000018	Name/Organization	See Attachment A, Two Mile Creek, Forsyth County Plan		
Water body name	Four Mile Creek	Address			
HUC basin name	Chattahoochee River	City		State	Zip
HUC number	031300010805	Phone			e-mail
Primary county	Forsyth	Name/Organization			
Secondary county		Address			
Primary RDC	Georgia Mountains	City		State	Zip
Secondary RDC		Phone			e-mail
Water body location	Forsyth County, GA	Name/Organization			
		Address			
Miles or area impacted	3	City		State	Zip
Parameter addressed in plan	Fecal coliform	Phone			e-mail
Water use classification	Fishing	Name/Organization			
Degree of impairment	Partially supporting use <input checked="" type="checkbox"/>	Address			
	Not supporting use <input type="checkbox"/>	City		State	Zip
Date TMDL approved by EPA		Phone			e-mail
Impairment due to	Point sources	Name/Organization			
	Nonpoint sources <input checked="" type="checkbox"/>	Address			
	Both <input type="checkbox"/>	City		State	Zip

FORM B

SUMMARY OF ALLOCATION MODEL RESULTS FROM TMDL DOCUMENT (existing load, target TMDL, and needed reduction)

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
206 cfu/100 ml	150 cfu/100 ml	56 cfu/100 ml

I. IDENTIFY **NONPOINT SOURCE** CATEGORIES AND SUBCATEGORIES OR INDIVIDUAL SOURCES WHICH MUST BE CONTROLLED TO IMPLEMENT LOAD ALLOCATIONS:

List major nonpoint sources contributing to impairment including those identified in TMDL document.

SOURCE	DESCRIPTION OF CONTRIBUTION TO IMPAIRMENT	RECOMMENDED LOAD REDUCTION (FROM TMDL)
Agriculture	Diffuse runoff of animal waste associated with erosion; runoff from	50% reduction in load-
	Concentrated animal operations; spreading of animal waste or municipal sludge on fields; failing septic systems	ing from agriculture or pasture land uses.

II. DESCRIBE ANY REGULATORY OR VOLUNTARY ACTIONS INCLUDING MANAGEMENT MEASURES OR OTHER CONTROLS BY GOVERNMENTS OR INDIVIDUALS THAT SPECIFICALLY APPLY TO THE POLLUTANT AND THE WATERBODY FOR WHICH THE TMDL WAS WRITTEN, THAT WILL BE ACCOMPLISHED THROUGH RELIABLE AND EFFECTIVE DELIVERY MECHANISMS, AND THAT WILL HELP ACHIEVE THE LOAD ALLOCATIONS IN THE TMDL:

See the attachment for more instructions.

Existing or required regulatory actions

RESPONSIBLE GOVERNMENT, ORGANIZATION OR ENTITY	NAME OF REGULATION/ORDINANCE	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
See Two Mile Creek, Forsyth County Plan				

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
Forsyth County	Community Watershed Assessment and Management Plan (permit driven)	A effort designed to promote consistency in the water quality and Biological data, pollutant runoff and load-ing estimates, water quality modeling, and watershed management strategies.	3/2000	Under review by county.
Upper Chattahoochee Basin Group	Water Quality Study for Lake Lanier -319 grant	Developed watershed loadings and water quality response model.	2/1997	Implementa-tion phase
GA Mountain Regional Development Center	Chattahoochee River Headwaters Management Program	Analysis of existing water protection programs, and development of a regional watershed management plan	11/1998	On-going
Forsyth County Engineering	Adopt-A-Stream	Citizen monitoring program	1998	Implemented

Additional recommended regulatory or other measures which should be implemented to reduce the loads of the TMDL parameter

ENTITY/ORGANIZATION RESPONSIBLE	NAME OF PROPOSED REGULATION/ORDINANCE/ OTHER	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
See Attachment C	Program	Develop agricultural education/demonstration program		
Two Mile Creek,	Program	Develop agricultural cost/share program.		
Forsyth Count Plan	Projects	Watershed Restorations and Retrofits Improvements		

III. SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES OR OTHER CONTROL ACTIONS: **See Attachment D: Two Mile Creek, Forsyth County Plan**

These must be implemented as expeditiously as practicable within five years of when the implementation plan is accepted by EPA.

IMPLEMENTATION ACTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Form stakeholders group					
Organize implementation work with stakeholders and local officials to identify remedial measures and potential funding sources					
Identify sources of TMDL parameter					
Develop management programs to control runoff including identification and implementation of BMPs (Phase I):					
Agriculture					
Forestry					
Urban					
Mining					
Organize and implement education and outreach programs					
Detect and eliminate illicit discharges					
Evaluate additional management controls needed					
Monitor and evaluate results					
Reassess TMDL allocations					
Provide periodic status reports on implementation of remedial activities					
If needed, begin process for Phase II (next 5 years) and subsequent phases					

IV. PROJECTED ATTAINMENT DATE AND BASIS FOR THAT PROJECTION:

The projected attainment date is 10 years from acceptance of the implementation plan by EPA.

V. MEASURABLE MILESTONES:

- Number of management controls and activities already implemented _____0_____
- Number of management controls and activities proposed in five-year work program _____24_____
- Number of management controls and activities actually implemented in five-year work period _____ (to be completed after 5 years)
- Stream sampled to identify areas of concern See monitoring plan
- Other _____ _____
- Other _____ _____

VI. MONITORING PLAN:

Monitoring data that placed stream on 303(d) list will be provided if requested.

Describe previous or current sampling activities or other surveys to detect sources or to measure effectiveness of management measures or other controls.

ORGANIZATION	TIME FRAME	PARAMETERS	PURPOSE	STATUS
See Two Mile Creek,				
Forsyth County Plan				

Describe any planned or proposed sampling activities or other surveys. (Scheduled EPD sampling can be found in the Basin Planning document.)

ORGANIZATION	TIME FRAME	PARAMETERS	PURPOSE	STATUS
EPD			basin planning	
See Two Mile Creek, Forsyth County Plan				

VII. CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE:

- % concentration or load change (monitoring program)
- Categorical change in classification of the stream (delisting the stream is the goal)
- Regulatory controls or activities installed (ordinances, laws)
- Best management practices installed (agricultural, forestry, urban)

COMMENTS

Four Mile Creek will need to be added to those sites identified in the long term monitoring strategy.

See Attachment G: Preliminary Implementation Budget from Watershed Assessment